



08/888,202

D.C. 7-16-02

ATTORNEY DOCKET NO. 24002.00F2U1

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Pimentel

Serial No. 08/888,202

Filed: July 7, 1997

For: "Decreased Fat Absorption with Anti-  
Lipase Antibody"

Confirmation No:

Group Art Unit: 1642

Examiner: Ungar, Susan

OFFICE ACTION RESPONSE/AMENDMENT

BOX FEE AMENDMENT  
Commissioner for Patents  
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.  
127 Peachtree Street, N.E.  
The Candler Building  
Atlanta, Georgia 30303-1811

July 2, 2002

Dear Commissioner:

In response to the Office Action dated January 2, 2002, kindly enter the following amendment and consider the following remarks relative to reconsideration of the above-identified application. Also enclosed is a Request for a 3-month Extension of Time through July 2, 2002 and payment in the amount of \$460.00 for the extension of time.

IN THE SPECIFICATION

SMO 12/8/07 18-20  
Kindly replace the paragraph on p. 3, line 14-16 with the following:

Therefore, by inhibiting lipase through binding the ingested fat will not be absorbed and the fat itself will be excreted.

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Please replace the paragraph beginning at page 3, line

SMC 12/8/07  
22.7 with the following rewritten paragraph:

Σ<sup>2</sup> - The present invention relates to a method for decreasing fat absorption by orally feeding chicken antibodies against lipase to mammals, particularly post-suckling non-ruminant mammals. The preferred antigen for obtaining the antibodies is a swine pancreatic extract that contains lipase. This antigen is commercially produced by Sigma Chemical Co. Lipase is a conserve molecule with similar structure between animal and plant species, therefore an antibody against swine lipase will cross-react with other species' lipases. We have found that by feeding anti-lipase antibodies to post-suckling mice and rats will result in either decreased body weight or reduced feed efficiency. The antibody extract can either be fed in water suspension, included in feed as dry powder and/or encapsulated in liposomes.

Please replace the paragraph beginning at page 9, line 2, with the following rewritten paragraph:

Σ<sup>3</sup> - This study illustrates the effect of anti-lipase antibody in mice. Two groups of 5 2-month old (i.e., post-suckling) mice (25-34 gr each) were given 5mg of antibody (protein extract) per ml of water. The antibody was mixed with water on a daily basis. Mice were fed the same amount of feed in both groups (approx. 5 gr/mice/day). The length of the experiment was 58 days. The results are as follows -